

Data Path : Z:\HPCHEM1\BNA F\DATA\BF021918\
 Data File : BF103099.D
 Acq On : 19 Feb 2018 23:36
 Operator : SJ/JU
 Sample : J1600-06
 Misc :
 ALS Vial : 30 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Feb 20 01:25:40 2018
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF020318.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Feb 16 14:34:49 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.87	152	182262	20.00	ng	0.00
21) Naphthalene-d8	8.16	136	753044	20.00	ng	0.00
38) Acenaphthene-d10	9.92	164	322514	20.00	ng	0.00
63) Phenanthrene-d10	11.40	188	490755	20.00	ng	0.00
75) Chrysene-d12	14.04	240	321793	20.00	ng	-0.01
86) Perylene-d12	15.54	264	310600	20.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.50	112	1367037	113.91	ng	0.01
7) Phenol-d6	6.52	99	1637477	113.32	ng	0.00
23) Nitrobenzene-d5	7.45	82	1064197	98.03	ng	0.00
41) 2,4,6-Tribromophenol	10.71	330	307576	118.49	ng	0.00
44) 2-Fluorobiphenyl	9.23	172	1236172	63.60	ng	0.00
78) Terphenyl-d14	12.99	244	787739	57.96	ng	0.00

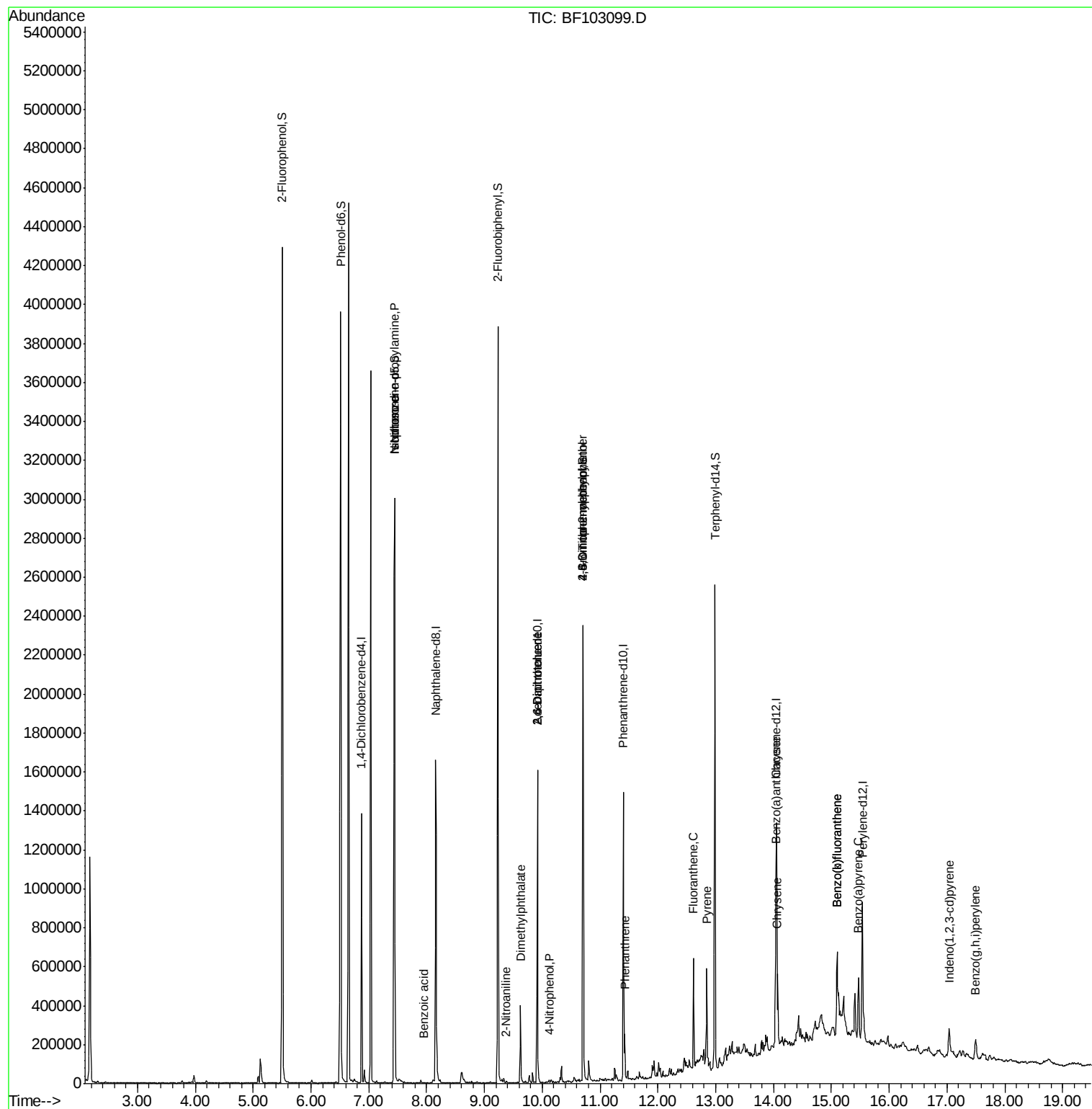
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
19) n-Nitroso-di-n-propylamine	7.45	70	141115	14.81	ng	# 79
25) Isophorone	7.45	82	1064184	42.57	ng	# 64
32) Benzoic acid	7.96	122	358	8.59	ng	# 1
47) 2-Nitroaniline	9.38	65	269	3.51	ng	# 2
49) Dimethylphthalate	9.62	163	158472	6.30	ng	100
50) 2,6-Dinitrotoluene	9.92	165	41084	8.59	ng	# 26
55) 4-Nitrophenol	10.12	139	1213	4.26	ng	# 9
56) 2,4-Dinitrotoluene	9.92	165	41084	9.07	ng	# 23
64) 4,6-Dinitro-2-methylphenol	10.71	198	705	9.11	ng	# 1
66) 4-Bromophenyl-phenylether	10.71	248	20042	3.86	ng	# 1
70) Phenanthrene	11.43	178	79173	2.90	ng	98
74) Fluoranthene	12.62	202	194660	7.08	ng	98
77) Pvrene	12.84	202	192649	7.63	ng	99
80) Benzo(a)anthracene	14.03	228	144987	7.16	ng	98
82) Chrysene	14.07	228	144644	7.09	ng	98
85) Indeno(1,2,3-cd)pyrene	17.04	276	88326	5.22	ng	98
87) Benzo(b)fluoranthene	15.10	252	293545	14.58	ng	# 95
88) Benzo(k)fluoranthene	15.10	252	293545	15.26	ng	98
89) Benzo(a)pvrene	15.47	252	158011	8.72	ng	98
91) Benzo(a,h,i)perylene	17.50	276	84290	5.85	ng	100

(#) = qualifier out of range (m) = manual integration (+) = signals summed

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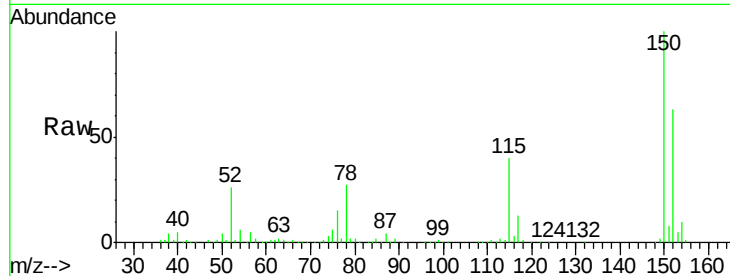


#1

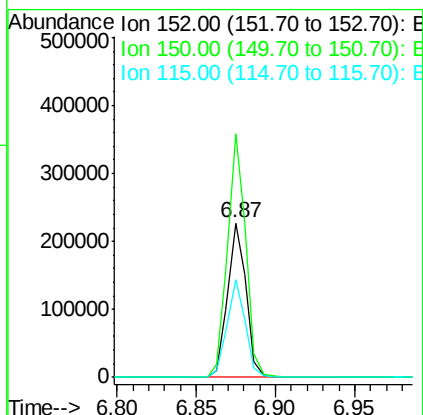
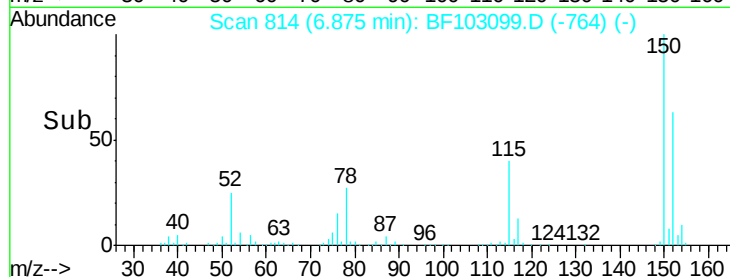
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.87 min Scan# 814
Delta R.T. -0.01 min
Lab File: BF103099.D
Acq: 19 Feb 2018 23:36

Instrument :
BNA_F
ClientSampleId :

Tot Ion:152 Resp: 182262
Ion Ratio Lower Upper
152 100
150 158.0 124.6 186.8
115 63.1 50.1 75.1



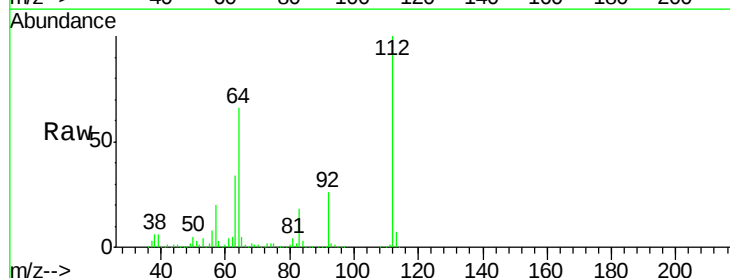
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



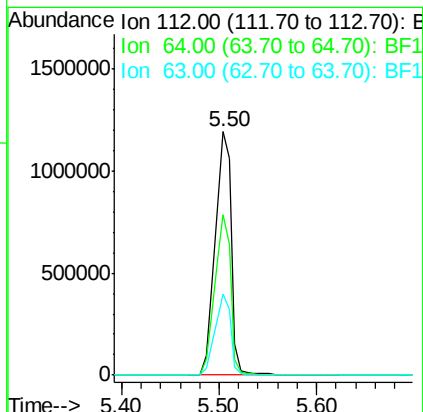
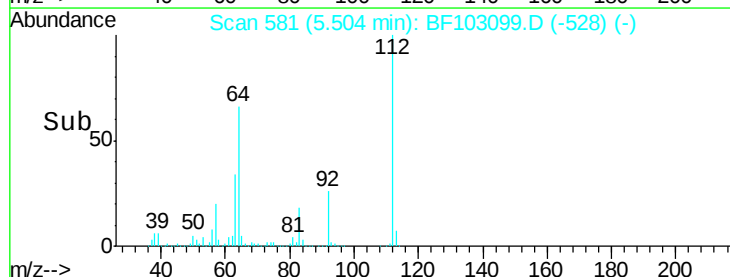
#5

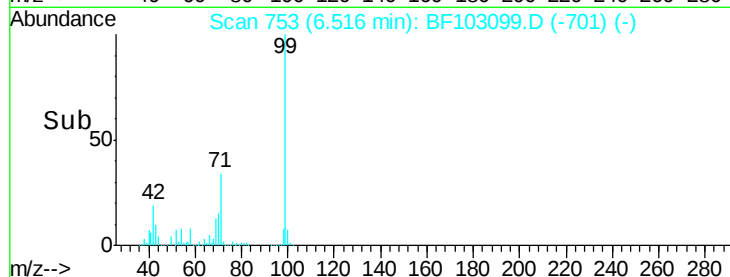
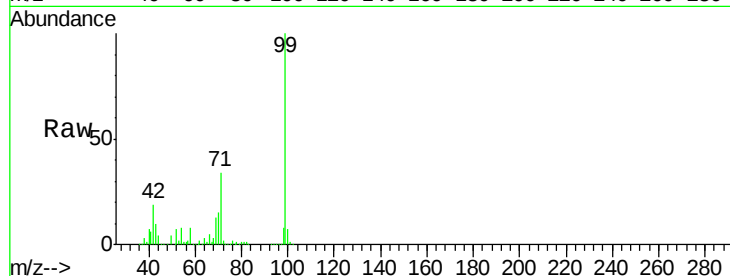
2-Fluorophenol
Concen: 113.91 ng
RT: 5.50 min Scan# 581
Delta R.T. 0.01 min
Lab File: BF103099.D
Acq: 19 Feb 2018 23:36

Tgt Ion:112 Resp: 1367037
Ion Ratio Lower Upper
112 100
64 66.0 47.9 71.9
63 33.5 23.7 35.5



Abundance Ion 112.00 (111.70 to 112.70): E
Ion 64.00 (63.70 to 64.70): BF1
Ion 63.00 (62.70 to 63.70): BF1





#7

Phenol-d6

Concen: 113.32 ng

RT: 6.52 min Scan# 753

Delta R.T. 0.01 min

Lab File: BF103099.D

Acq: 19 Feb 2018 23:36

Instrument :

BNA_F

ClientSampleId :

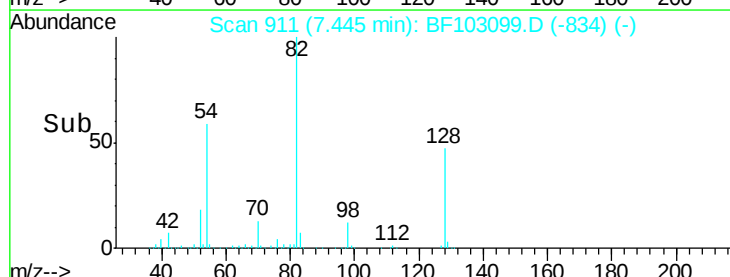
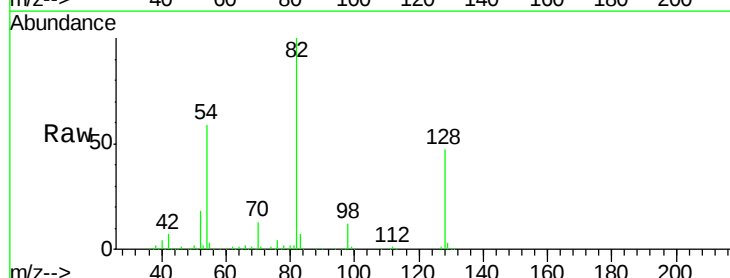
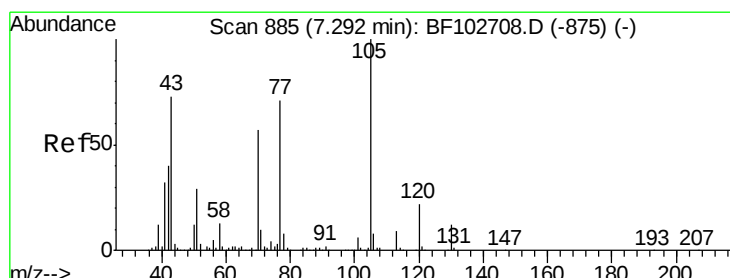
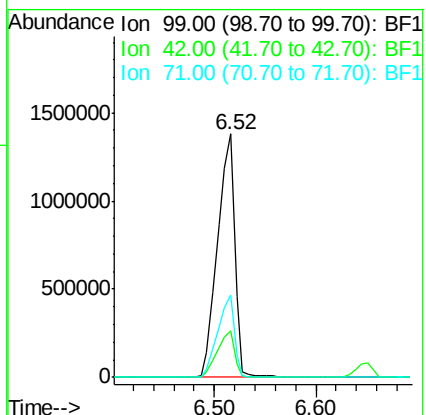
Tot Ion: 99 Resp: 1637477

Ion Ratio Lower Upper

99 100

42 18.8 14.5 21.7

71 34.0 25.4 38.0



#19

n-Nitroso-di-n-propylamine

Concen: 14.81 ng

RT: 7.45 min Scan# 911

Delta R.T. 0.15 min

Lab File: BF103099.D

Acq: 19 Feb 2018 23:36

Tgt Ion: 70 Resp: 141115

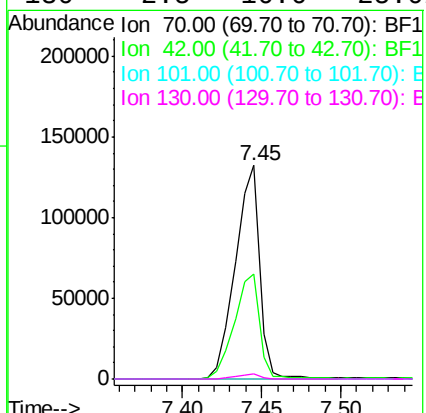
Ion Ratio Lower Upper

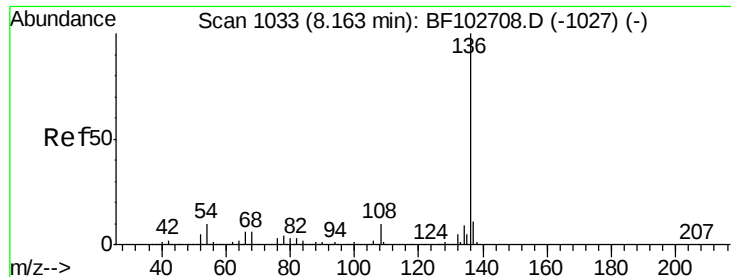
70 100

42 49.3 47.5 71.3

101 0.0 7.4 11.2#

130 2.5 16.6 25.0#

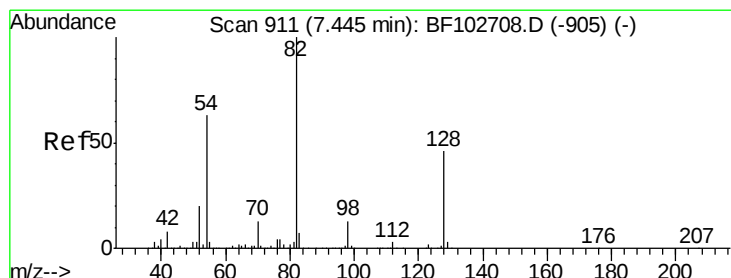
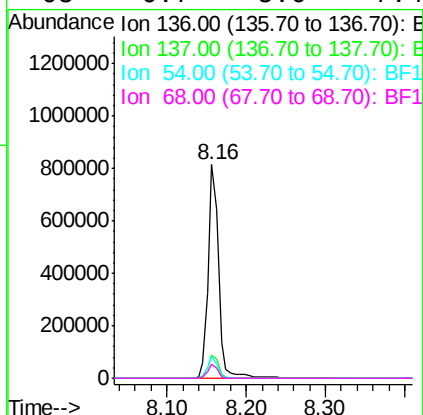
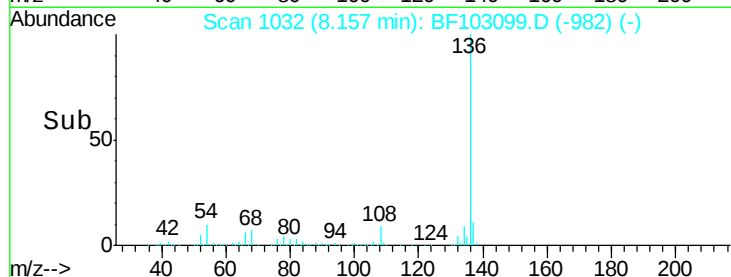
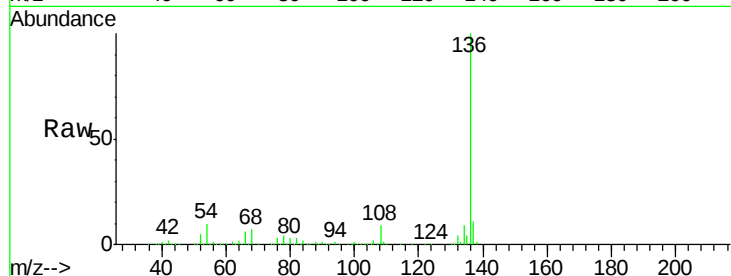




#21
Naphthalene-d8
Concen: 20.00 ng
RT: 8.16 min Scan# 1032
Delta R.T. -0.01 min
Lab File: BF103099.D
Acq: 19 Feb 2018 23:36

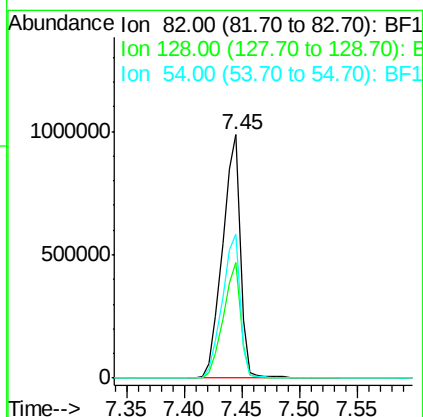
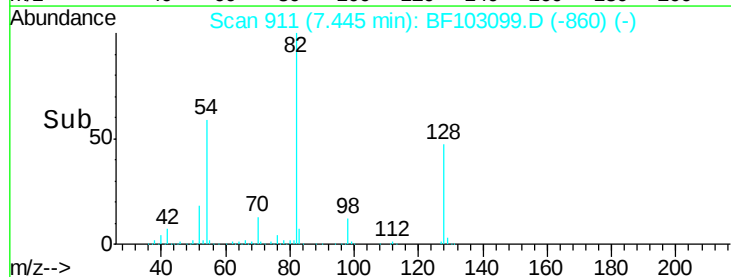
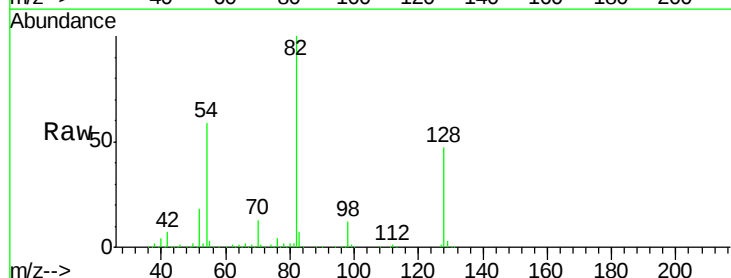
Instrument :
BNA_F
ClientSampleId :

Tot Ion:136	Resp:	753044
Ion Ratio	Lower	Upper
136	100	
137	11.1	8.9 13.3
54	9.9	6.6 9.8#
68	6.7	5.0 7.4



#23
Nitrobenzene-d5
Concen: 98.03 ng
RT: 7.45 min Scan# 911
Delta R.T. -0.00 min
Lab File: BF103099.D
Acq: 19 Feb 2018 23:36

Tgt Ion: 82	Resp:	1064197
Ion Ratio	Lower	Upper
82	100	
128	47.4	36.1 54.1
54	59.1	41.4 62.2





#25

Isophorone

Concen: 42.57 ng

RT: 7.45 min Scan# 911

Delta R.T. -0.25 min

Lab File: BF103099.D

Acq: 19 Feb 2018 23:36

Instrument :

BNA_F

ClientSampleId :

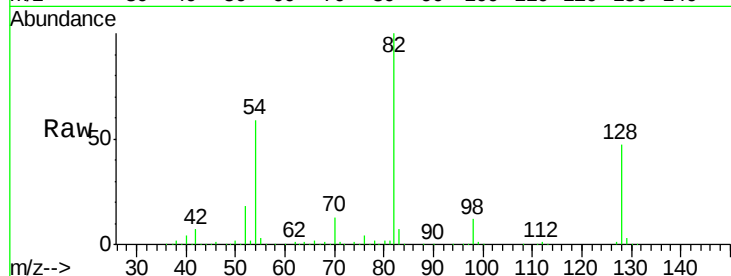
Tot Ion: 82 Resp: 1064184

Ion Ratio Lower Upper

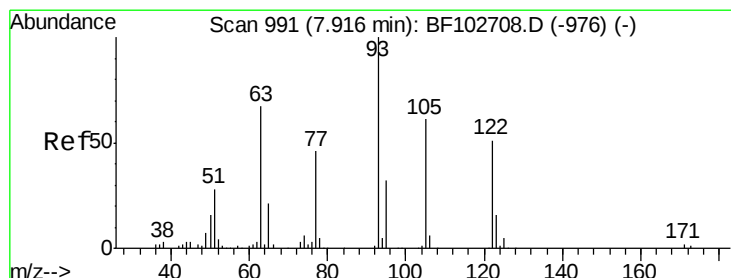
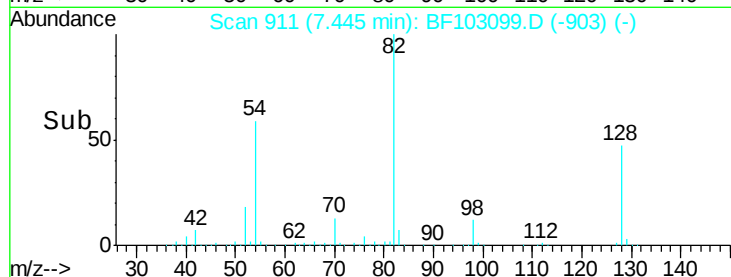
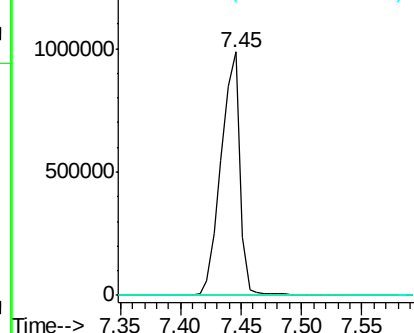
82 100

95 0.0 5.2 7.8#

138 0.0 14.9 22.3#



Abundance Ion 82.00 (81.70 to 82.70): BF1
Ion 95.00 (94.70 to 95.70): BF1
Ion 138.00 (137.70 to 138.70): BF1



#32

Benzoic acid

Concen: 8.59 ng

RT: 7.96 min Scan# 998

Delta R.T. 0.01 min

Lab File: BF103099.D

Acq: 19 Feb 2018 23:36

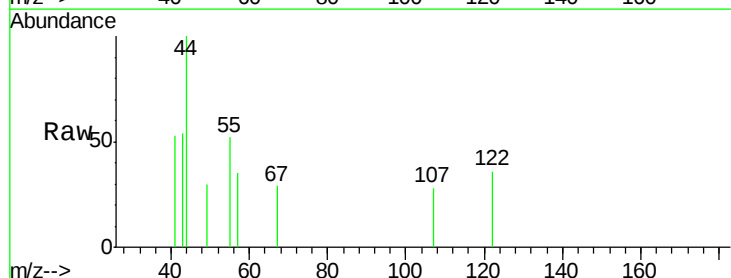
Tgt Ion: 122 Resp: 358

Ion Ratio Lower Upper

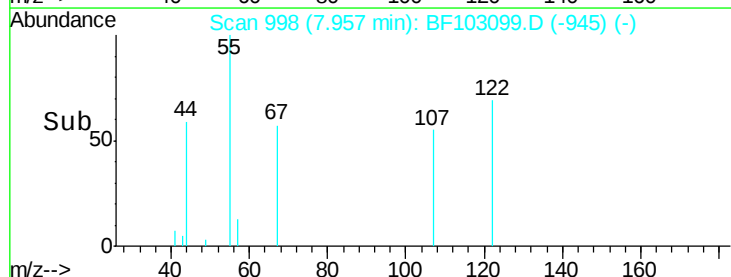
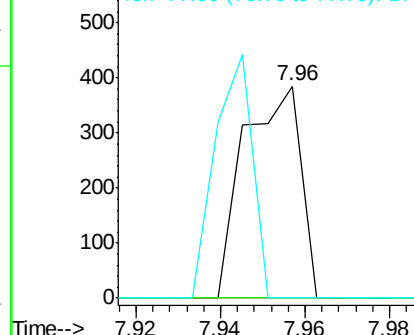
122 100

105 0.0 101.1 141.1#

77 0.0 70.7 110.7#



Abundance Ion 122.00 (121.70 to 122.70): BF1
Ion 105.00 (104.70 to 105.70): BF1
Ion 77.00 (76.70 to 77.70): BF1

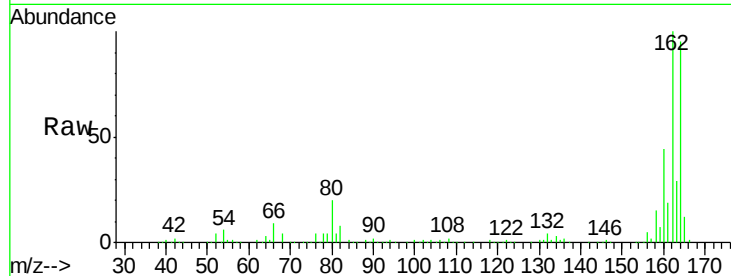




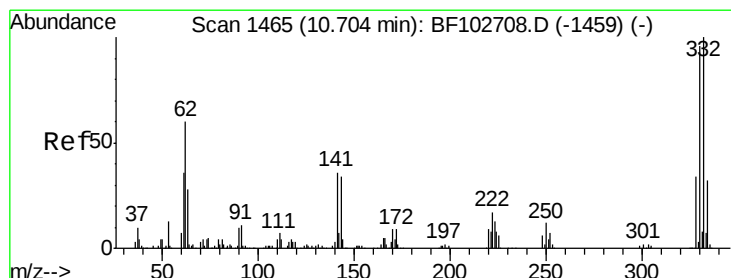
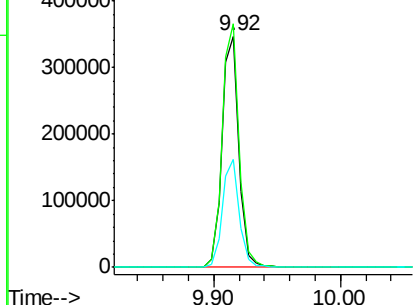
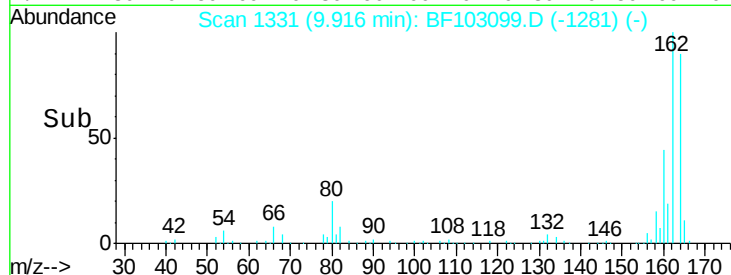
#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 9.92 min Scan# 1331
Delta R.T. -0.01 min
Lab File: BF103099.D
Acq: 19 Feb 2018 23:36

Instrument :
BNA_F
ClientSampled :

Tot Ion:164 Resp: 322514
Ion Ratio Lower Upper
164 100
162 105.4 86.1 129.1
160 46.5 38.3 57.5

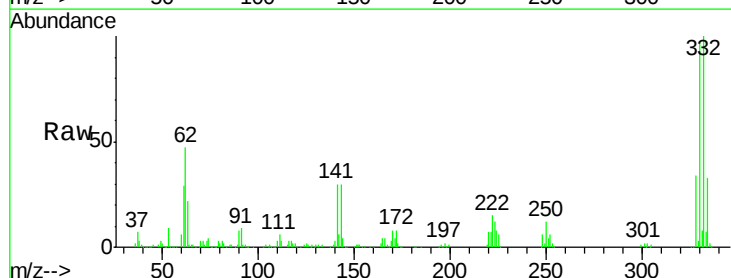


Abundance Ion 164.00 (163.70 to 164.70): E
Ion 162.00 (161.70 to 162.70): E
Ion 160.00 (159.70 to 160.70): E

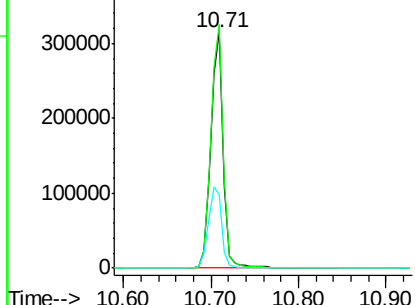
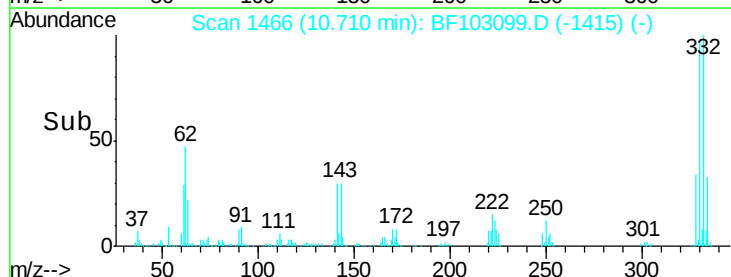


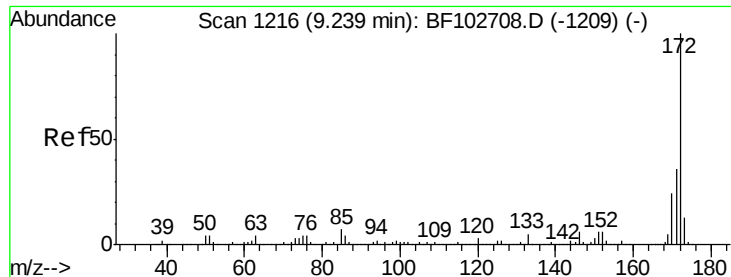
#41
2,4,6-Tribromophenol
Concen: 118.49 ng
RT: 10.71 min Scan# 1466
Delta R.T. -0.00 min
Lab File: BF103099.D
Acq: 19 Feb 2018 23:36

Tgt Ion:330 Resp: 307576
Ion Ratio Lower Upper
330 100
332 103.3 77.0 115.6
141 37.7 29.9 44.9



Abundance Ion 329.80 (329.50 to 330.50): E
Ion 331.80 (331.50 to 332.50): E
Ion 141.00 (140.70 to 141.70): E

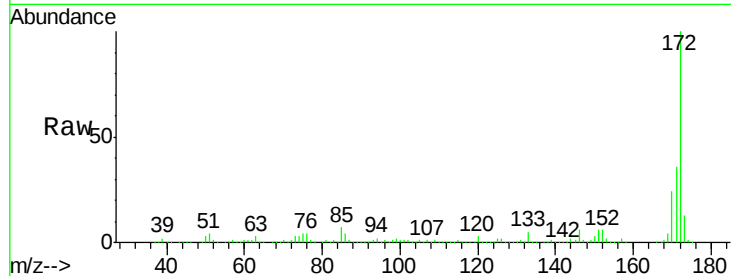




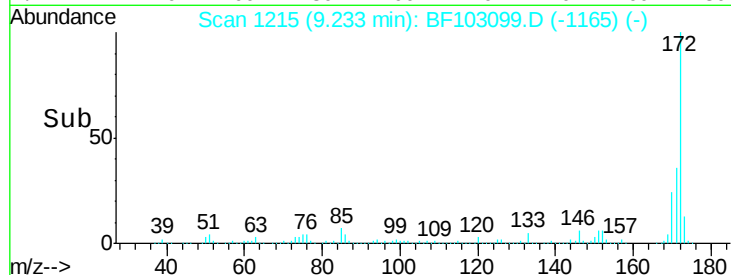
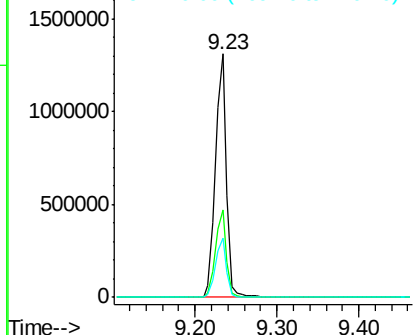
#44
2-Fluorobiphenyl
Concen: 63.60 ng
RT: 9.23 min Scan# 1215
Delta R.T. -0.01 min
Lab File: BF103099.D
Acq: 19 Feb 2018 23:36

Instrument :
BNA_F
ClientSampleId :

Tot Ion:172 Resp: 1236172
Ion Ratio Lower Upper
172 100
171 36.1 29.7 44.5
170 24.4 19.6 29.4

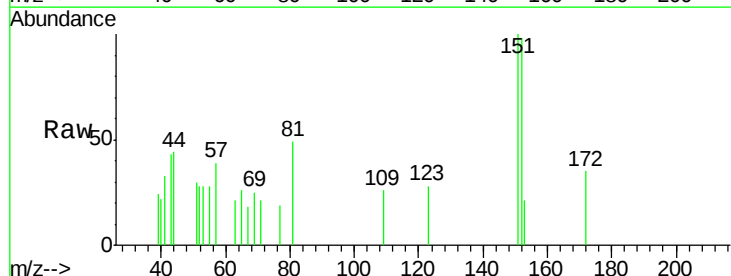


Abundance Ion 172.00 (171.70 to 172.70): E
Ion 171.00 (170.70 to 171.70): E
Ion 170.00 (169.70 to 170.70): E

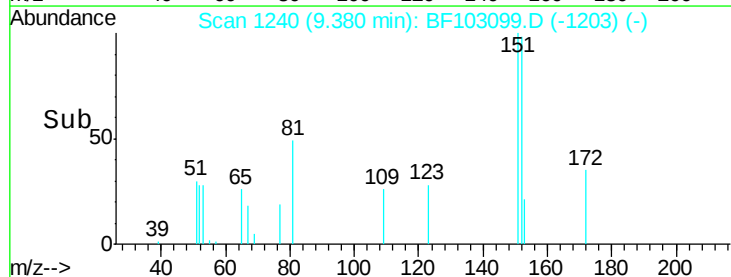
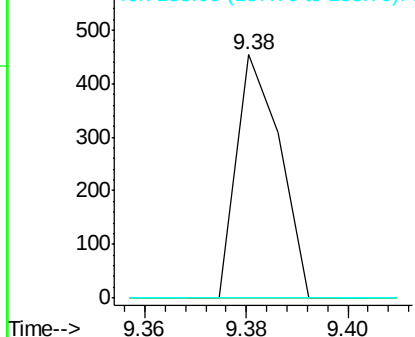


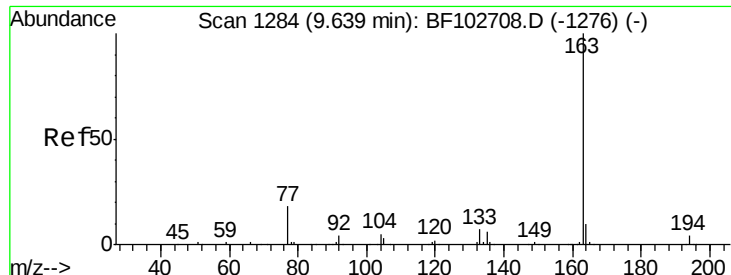
#47
2-Nitroaniline
Concen: 3.51 ng
RT: 9.38 min Scan# 1240
Delta R.T. -0.08 min
Lab File: BF103099.D
Acq: 19 Feb 2018 23:36

Tgt Ion: 65 Resp: 269
Ion Ratio Lower Upper
65 100
92 0.0 55.8 83.6#
138 0.0 91.2 136.8#



Abundance Ion 65.00 (64.70 to 65.70): BF1
Ion 92.00 (91.70 to 92.70): BF1
Ion 138.00 (137.70 to 138.70): E

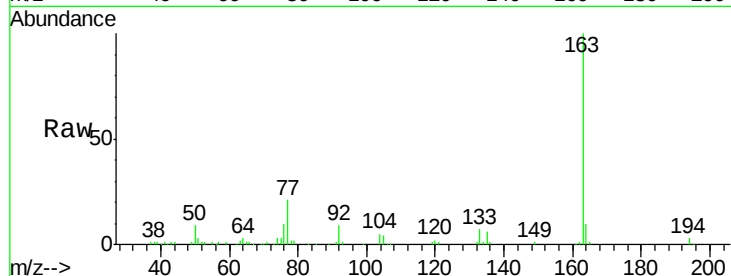




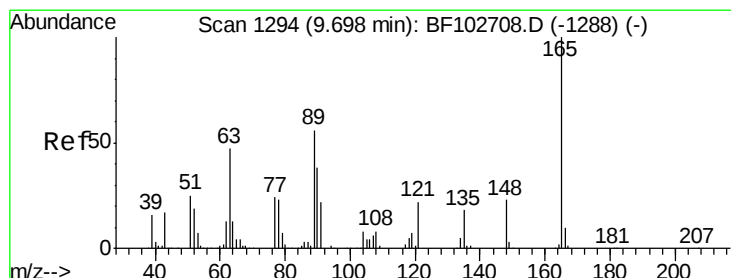
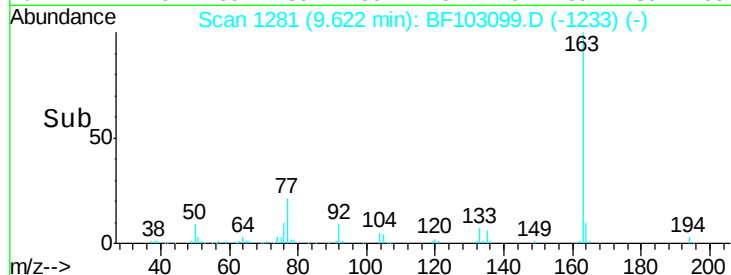
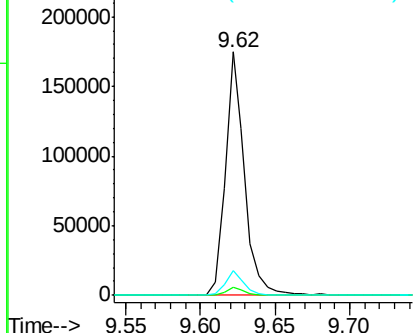
#49
Dimethylphthalate
Concen: 6.30 ng
RT: 9.62 min Scan# 1281
Delta R.T. -0.02 min
Lab File: BF103099.D
Acq: 19 Feb 2018 23:36

Instrument :
BNA_F
ClientSampleId :

Tot Ion:163 Resp: 158472
Ion Ratio Lower Upper
163 100
194 3.3 2.7 4.1
164 10.3 8.2 12.2

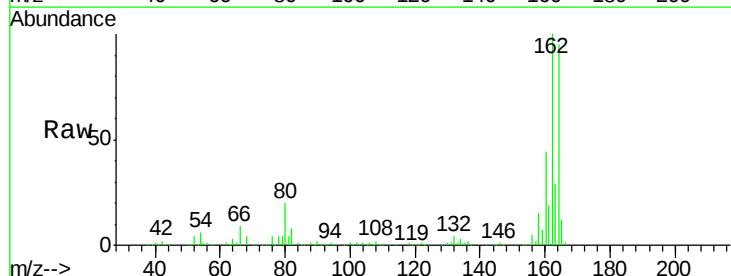


Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E

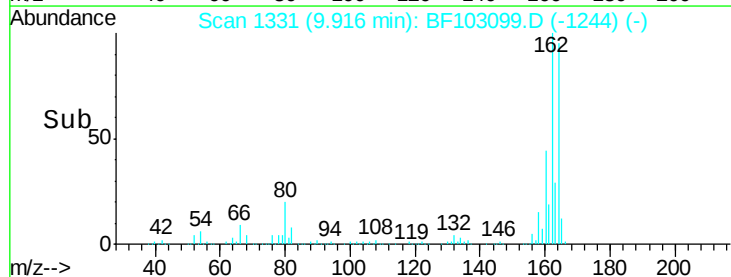
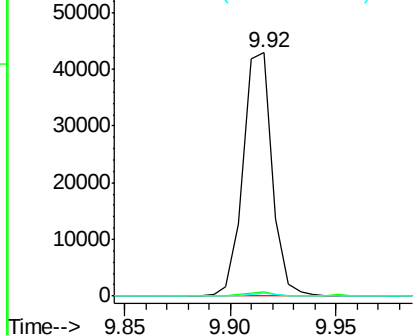


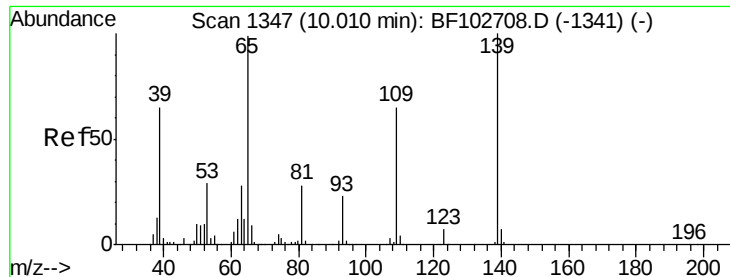
#50
2,6-Dinitrotoluene
Concen: 8.59 ng
RT: 9.92 min Scan# 1331
Delta R.T. 0.21 min
Lab File: BF103099.D
Acq: 19 Feb 2018 23:36

Tgt Ion:165 Resp: 41084
Ion Ratio Lower Upper
165 100
63 1.8 44.7 67.1#
89 1.3 44.0 66.0#



Abundance Ion 165.00 (164.70 to 165.70): E
Ion 63.00 (62.70 to 63.70): BF1
Ion 89.00 (88.70 to 89.70): BF1





#55

4-Nitrophenol

Concen: 4.26 ng

RT: 10.12 min Scan# 1366

Delta R.T. 0.09 min

Lab File: BF103099.D

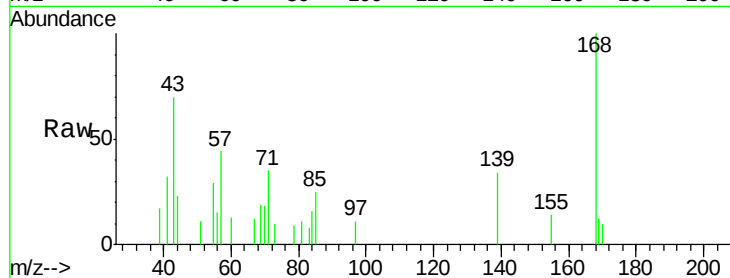
Acq: 19 Feb 2018 23:36

Instrument :

BNA_F

ClientSampleId :

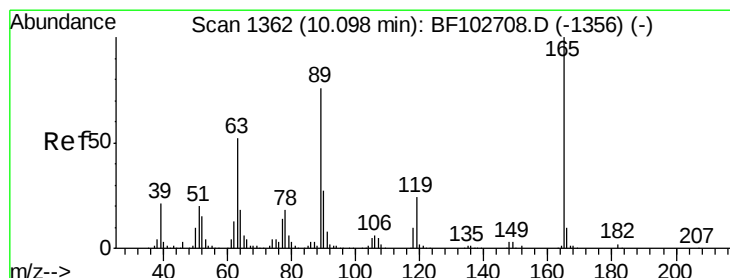
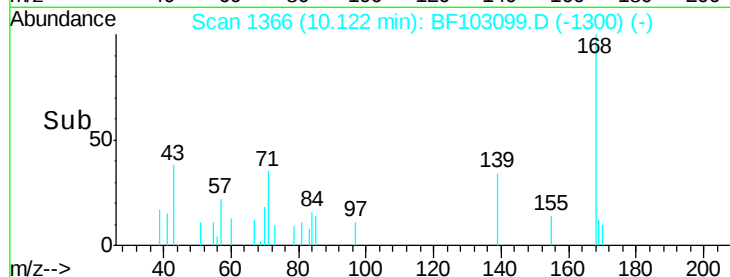
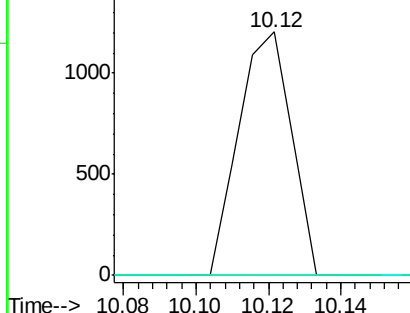
Tot Ion	Ratio	Lower	Upper
139	100		
109	0.0	48.4	88.4#
65	0.0	72.6	112.6#



Abundance Ion 139.00 (138.70 to 139.70): E

Ion 109.00 (108.70 to 109.70): E

Ion 65.00 (64.70 to 65.70): BF1



#56

2,4-Dinitrotoluene

Concen: 9.07 ng

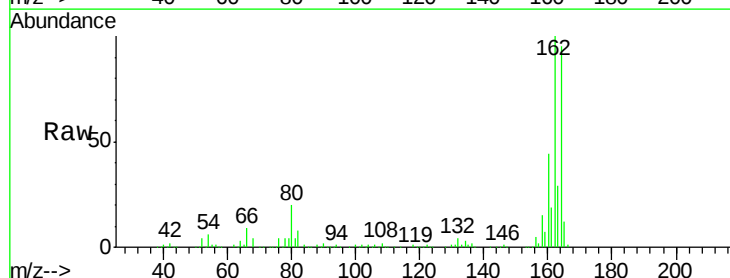
RT: 9.92 min Scan# 1331

Delta R.T. -0.19 min

Lab File: BF103099.D

Acq: 19 Feb 2018 23:36

Tgt Ion	Ratio	Lower	Upper
165	100		
63	1.8	36.4	54.6#
89	1.3	57.8	86.6#
182	0.0	1.6	2.4#

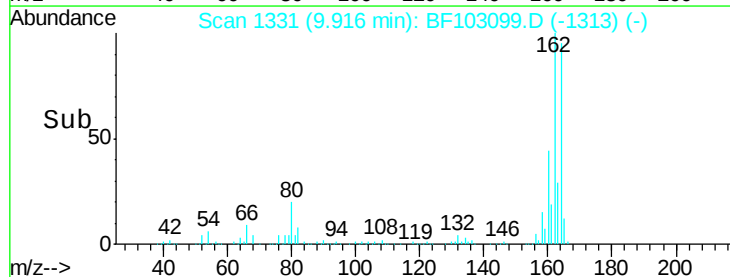
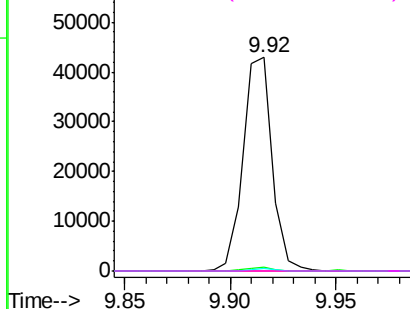


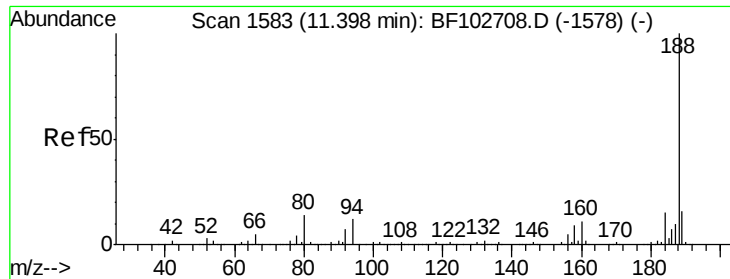
Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF1

Ion 89.00 (88.70 to 89.70): BF1

Ion 182.00 (181.70 to 182.70): E

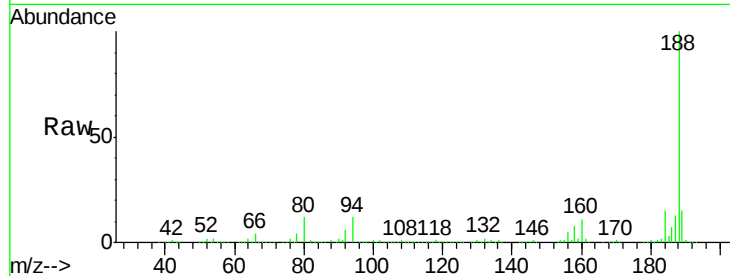




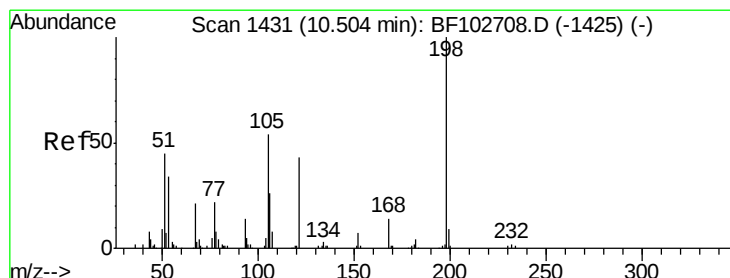
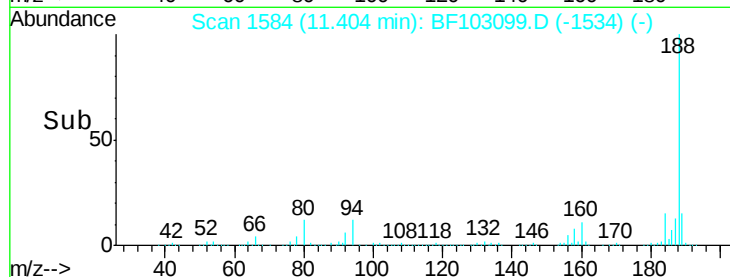
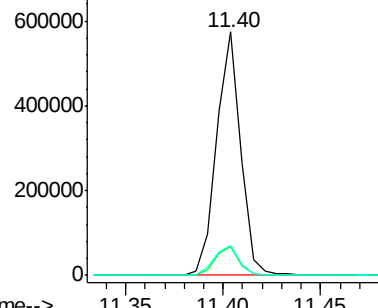
#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.40 min Scan# 1584
Delta R.T. -0.01 min
Lab File: BF103099.D
Acq: 19 Feb 2018 23:36

Instrument :
BNA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
188	100		
94	11.8	8.5	12.7
80	12.0	9.2	13.8

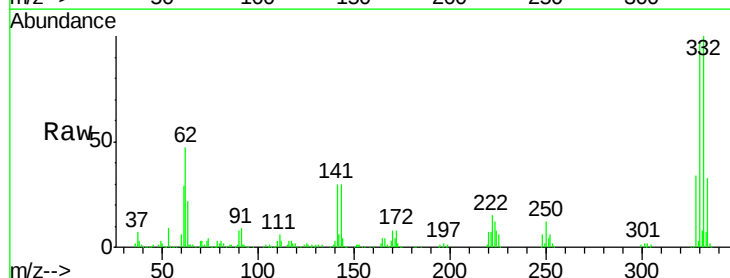


Abundance Ion 188.00 (187.70 to 188.70): E
Ion 94.00 (93.70 to 94.70): BF1
Ion 80.00 (79.70 to 80.70): BF1

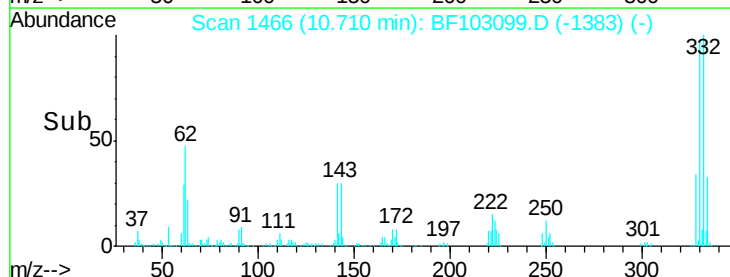
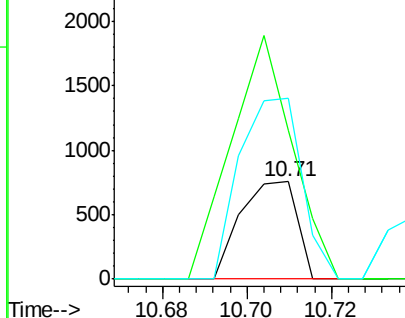


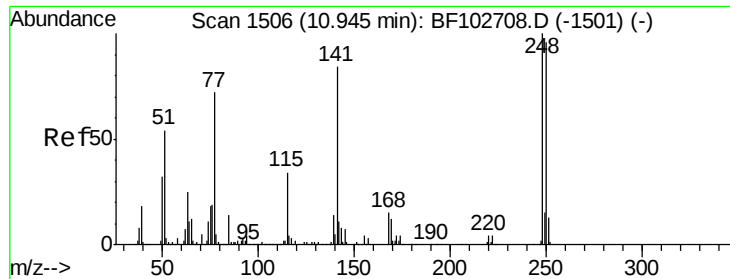
#64
4,6-Dinitro-2-methylphenol
Concen: 9.11 ng
RT: 10.71 min Scan# 1466
Delta R.T. 0.19 min
Lab File: BF103099.D
Acq: 19 Feb 2018 23:36

Tgt Ion	Ratio	Lower	Upper
198	100		
51	152.8	37.7	77.7#
105	185.5	36.3	76.3#



Abundance Ion 198.00 (197.70 to 198.70): E
Ion 51.00 (50.70 to 51.70): BF1
Ion 105.00 (104.70 to 105.70): E

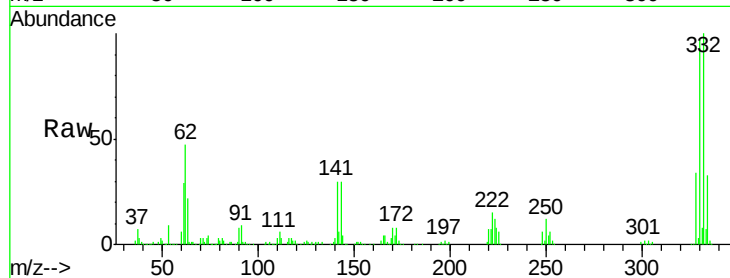




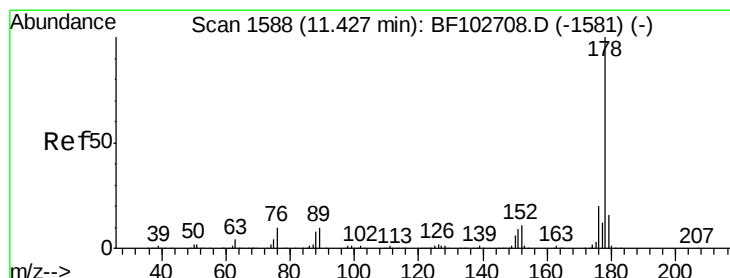
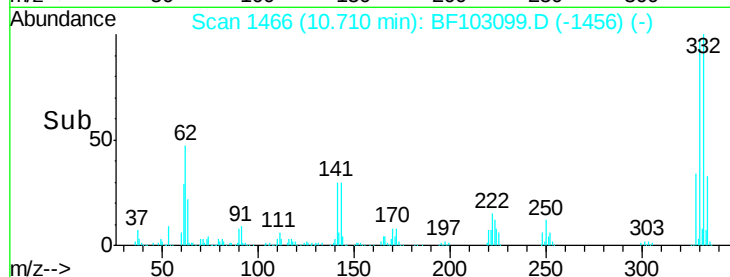
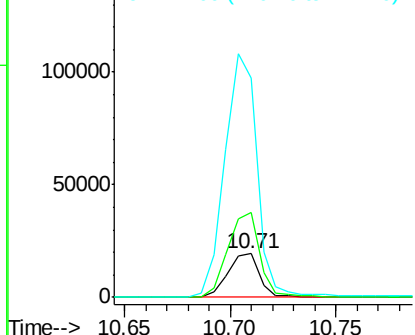
#66
 4-Bromophenyl-phenylether
 Concen: 3.86 ng
 RT: 10.71 min Scan# 1466
 Delta R.T. -0.24 min
 Lab File: BF103099.D
 Acq: 19 Feb 2018 23:36

Instrument :
 BNA_F
 ClientSampled :

Tot Ion:248 Resp: 20042
 Ion Ratio Lower Upper
 248 100
 250 197.3 76.9 115.3#
 141 506.8 74.4 111.6#

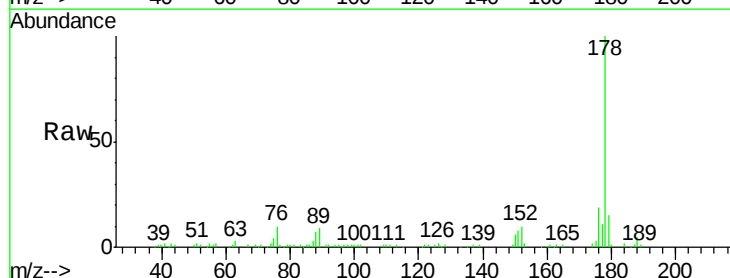


Abundance Ion 248.00 (247.70 to 248.70): E
 Ion 250.00 (249.70 to 250.70): E
 Ion 141.00 (140.70 to 141.70): E

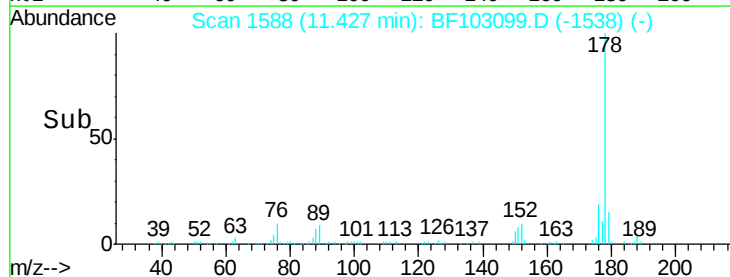
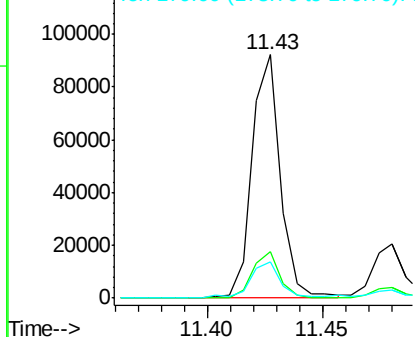


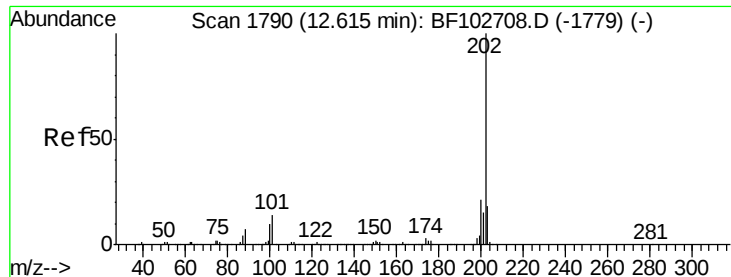
#70
 Phenanthrene
 Concen: 2.90 ng
 RT: 11.43 min Scan# 1588
 Delta R.T. -0.01 min
 Lab File: BF103099.D
 Acq: 19 Feb 2018 23:36

Tgt Ion:178 Resp: 79173
 Ion Ratio Lower Upper
 178 100
 176 19.2 15.8 23.8
 179 14.8 13.0 19.6



Abundance Ion 178.00 (177.70 to 178.70): E
 Ion 176.00 (175.70 to 176.70): E
 Ion 179.00 (178.70 to 179.70): E

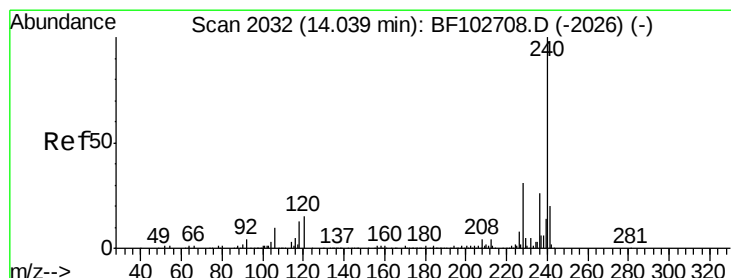
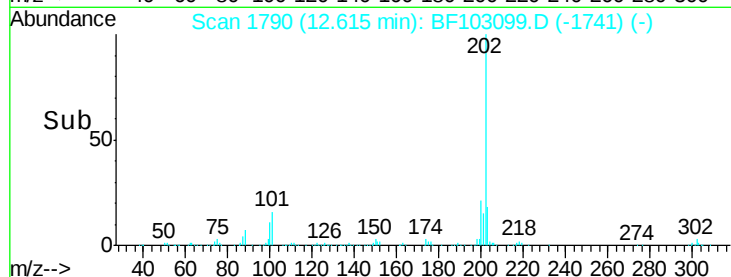
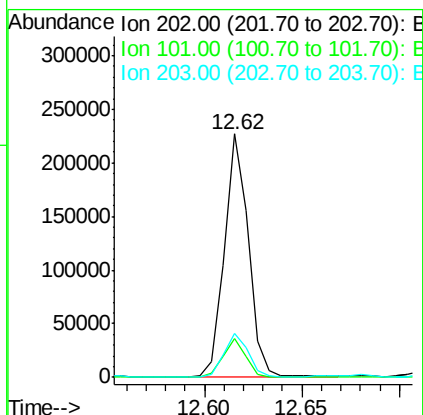
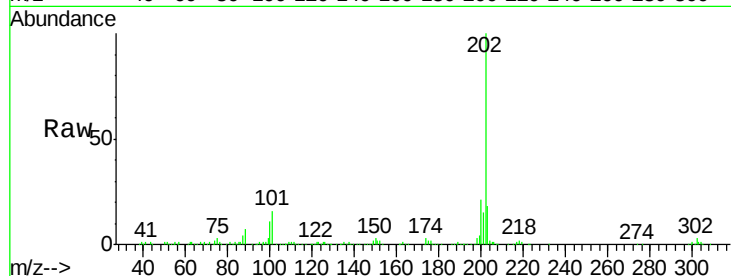




#74
 Fluoranthene
 Concen: 7.08 ng
 RT: 12.62 min Scan# 1790
 Delta R.T. -0.01 min
 Lab File: BF103099.D
 Acq: 19 Feb 2018 23:36

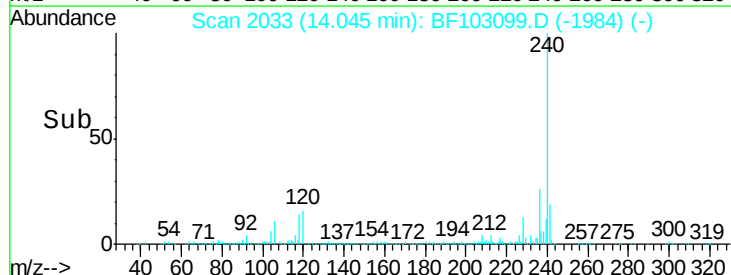
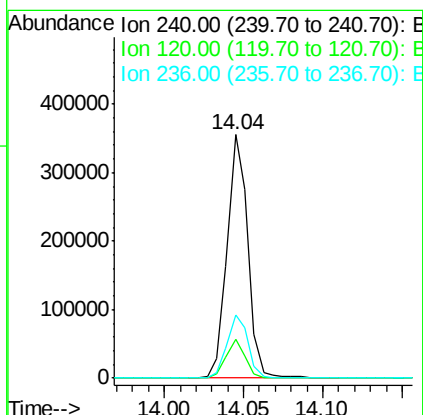
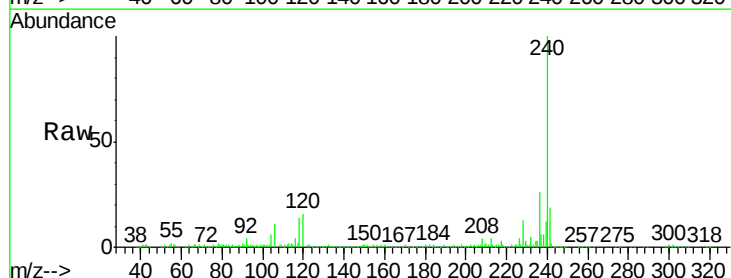
Instrument :
 BNA_F
 ClientSampleId :

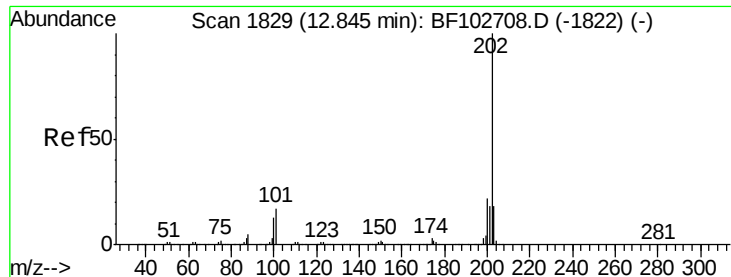
Tot Ion	Ratio	Lower	Upper
202	100		
101	15.9	0.0	34.1
203	17.9	0.0	38.1



#75
 Chrysene-d12
 Concen: 20.00 ng
 RT: 14.04 min Scan# 2033
 Delta R.T. -0.01 min
 Lab File: BF103099.D
 Acq: 19 Feb 2018 23:36

Tgt Ion	Ratio	Lower	Upper
240	100		
120	16.0	9.5	14.3#
236	26.0	20.7	31.1





#77

Pvrene

Concen: 7.63 ng

RT: 12.84 min Scan# 1829

Delta R.T. -0.01 min

Lab File: BF103099.D

Acq: 19 Feb 2018 23:36

Instrument :

BNA_F

ClientSampled :

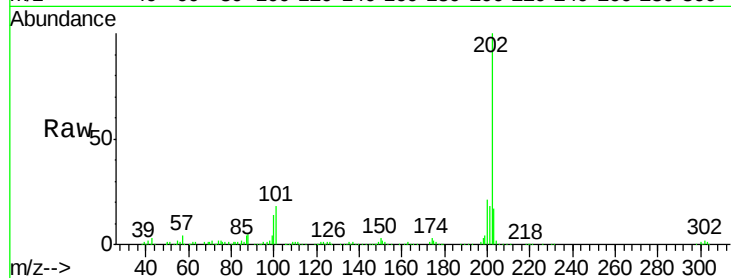
Tot Ion:202 Resp: 192649

Ion Ratio Lower Upper

202 100

200 21.5 17.4 26.2

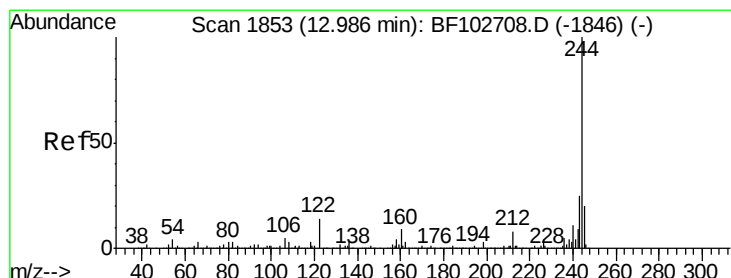
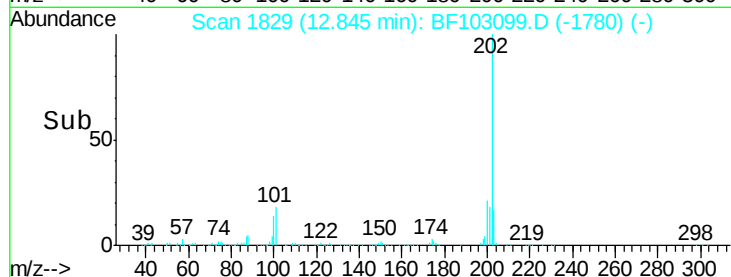
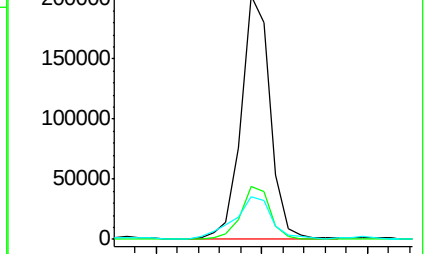
203 17.3 14.3 21.5



Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E



#78

Terphenyl-d14

Concen: 57.96 ng

RT: 12.99 min Scan# 1853

Delta R.T. -0.01 min

Lab File: BF103099.D

Acq: 19 Feb 2018 23:36

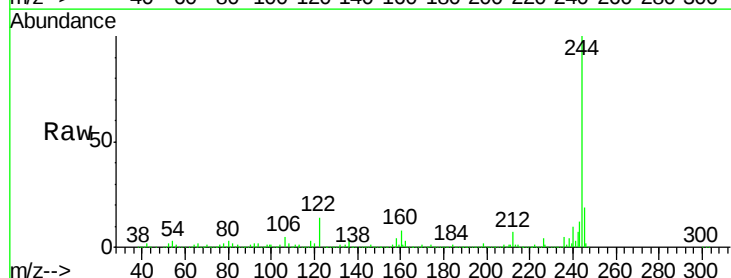
Tgt Ion:244 Resp: 787739

Ion Ratio Lower Upper

244 100

212 7.1 5.4 8.0

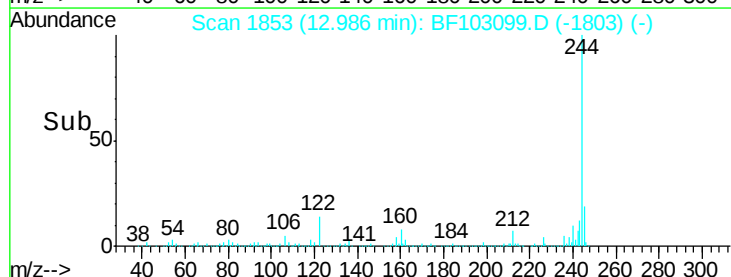
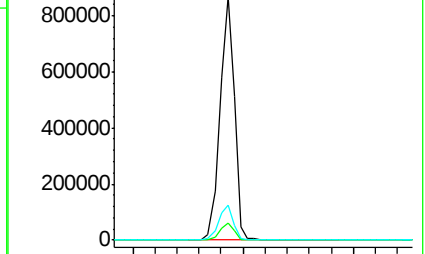
122 14.2 11.0 16.4

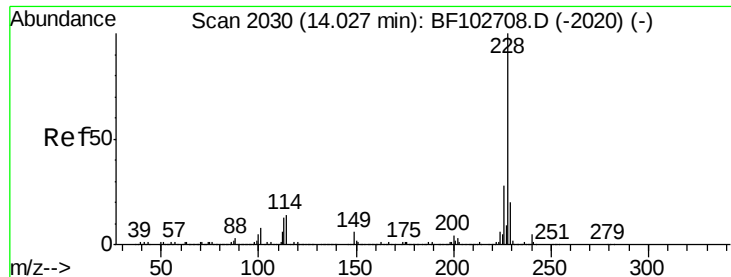


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

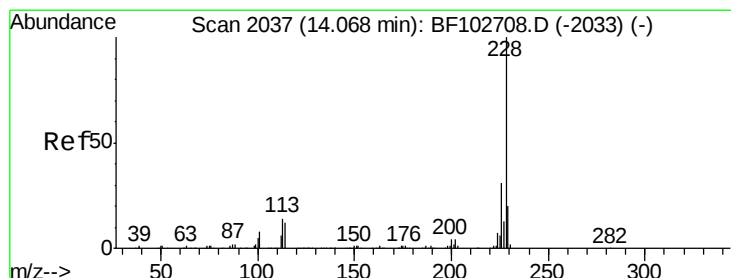
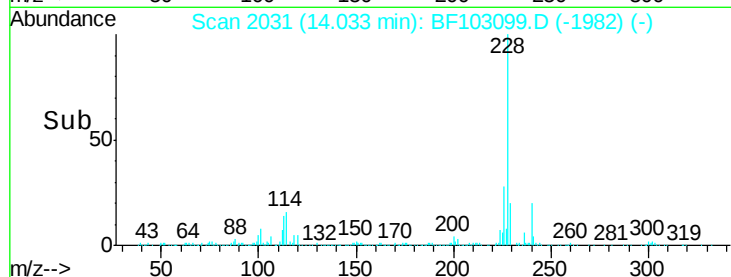
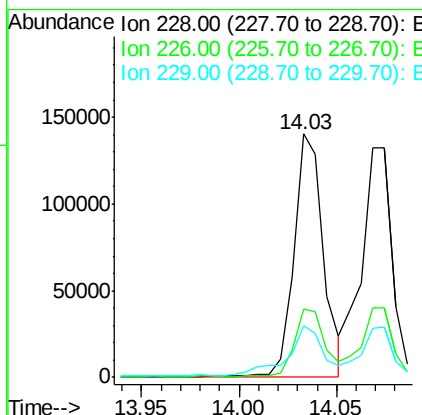
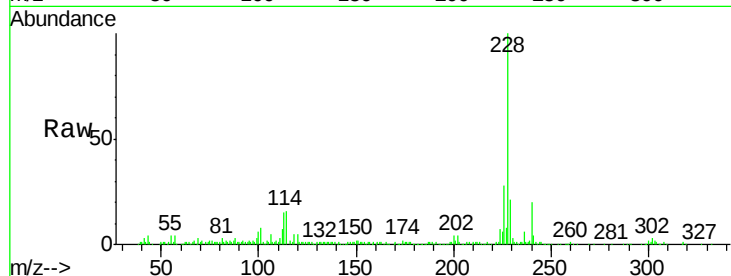




#80
Benzo(a)anthracene
Concen: 7.16 ng
RT: 14.03 min Scan# 2031
Delta R.T. -0.01 min
Lab File: BF103099.D
Acq: 19 Feb 2018 23:36

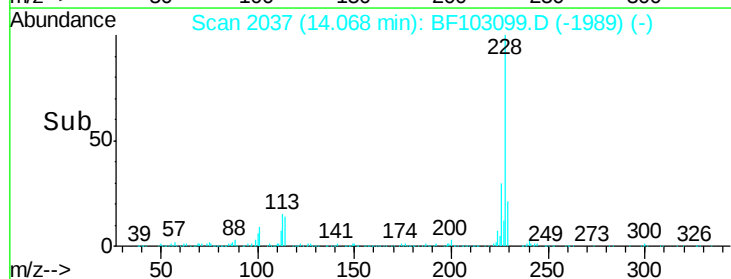
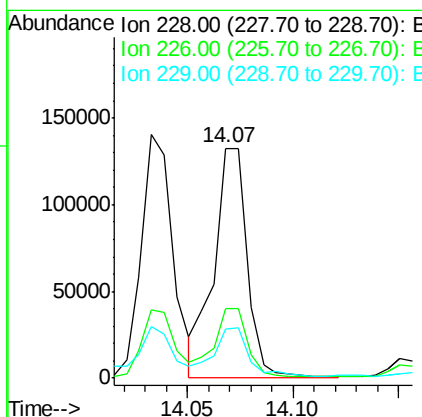
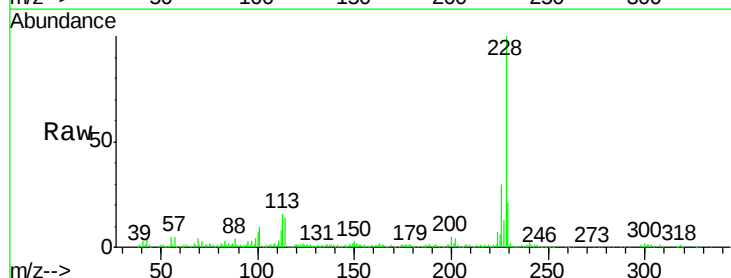
Instrument :
BNA_F
ClientSampleId :

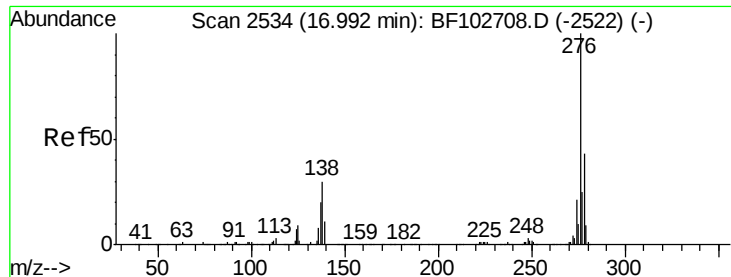
Tot Ion	Ratio	Lower	Upper
228	100		
226	28.1	22.6	33.8
229	21.4	15.8	23.6



#82
Chrysene
Concen: 7.09 ng
RT: 14.07 min Scan# 2037
Delta R.T. -0.02 min
Lab File: BF103099.D
Acq: 19 Feb 2018 23:36

Tgt Ion	Ratio	Lower	Upper
228	100		
226	30.5	25.0	37.6
229	21.5	16.2	24.4

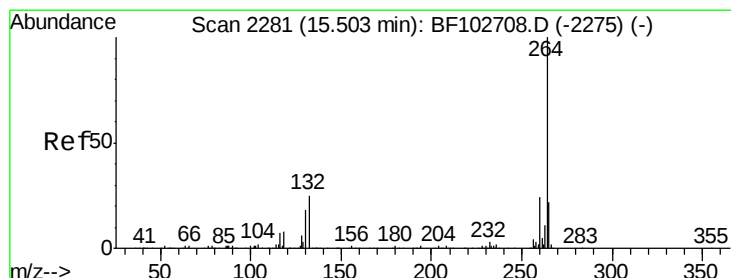
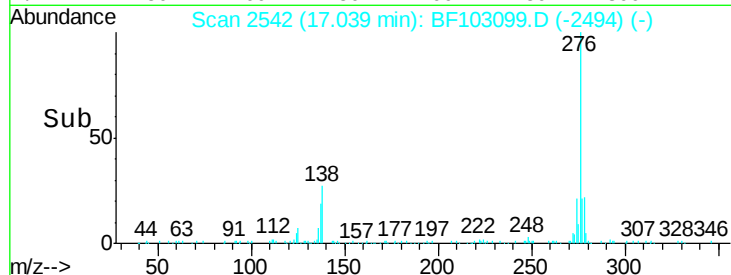
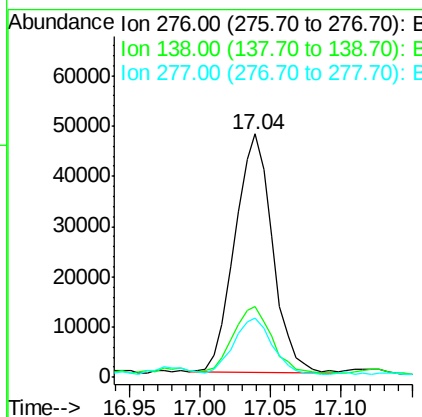
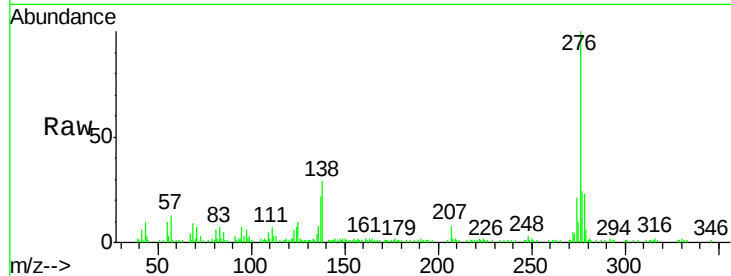




#85
Indeno(1,2,3-cd)pyrene
Concen: 5.22 ng
RT: 17.04 min Scan# 2542
Delta R.T. -0.02 min
Lab File: BF103099.D
Acq: 19 Feb 2018 23:36

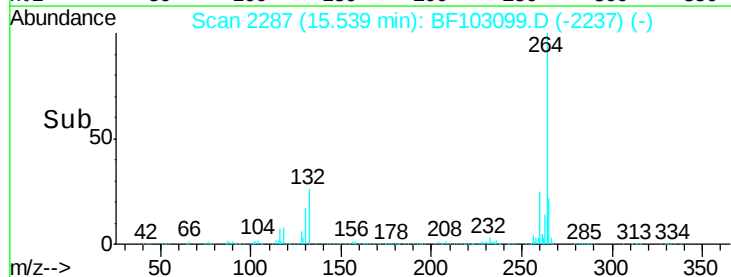
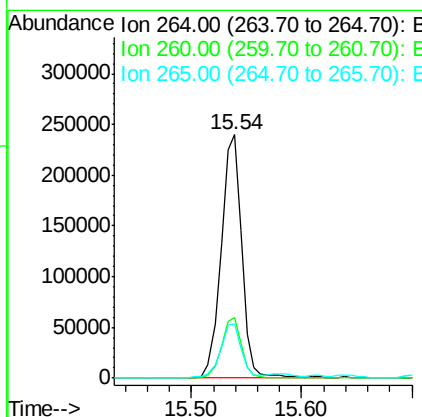
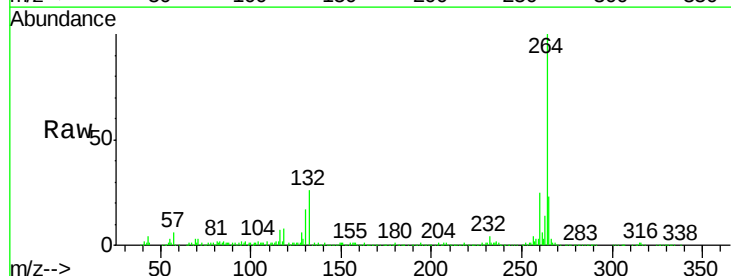
Instrument :
BNA_F
ClientSampleId :

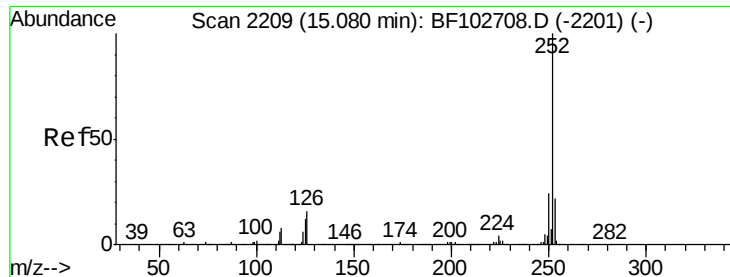
Tot Ion:276 Resp: 88326
Ion Ratio Lower Upper
276 100
138 30.2 25.0 37.6
277 24.4 20.1 30.1



#86
Perylene-d12
Concen: 20.00 ng
RT: 15.54 min Scan# 2287
Delta R.T. -0.01 min
Lab File: BF103099.D
Acq: 19 Feb 2018 23:36

Tgt Ion:264 Resp: 310600
Ion Ratio Lower Upper
264 100
260 24.7 19.2 28.8
265 22.5 17.5 26.3





#87

Benzo(b)fluoranthene

Concen: 14.58 ng

RT: 15.10 min Scan# 2212

Delta R.T. -0.01 min

Lab File: BF103099.D

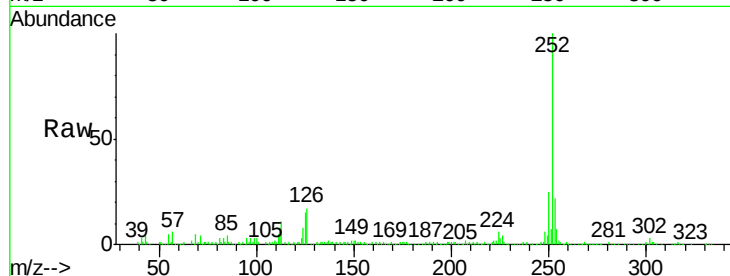
Acq: 19 Feb 2018 23:36

Instrument :

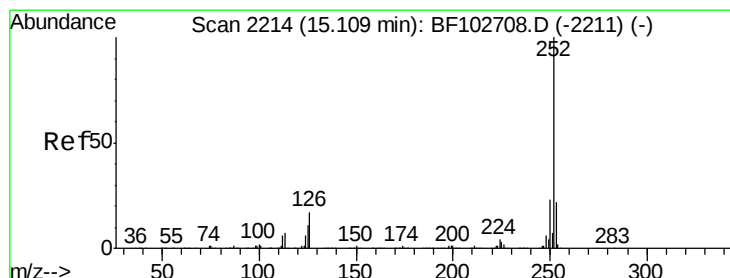
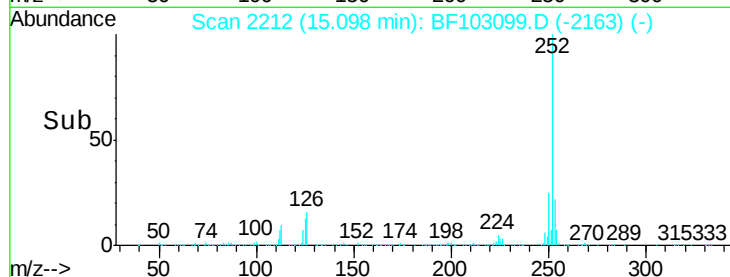
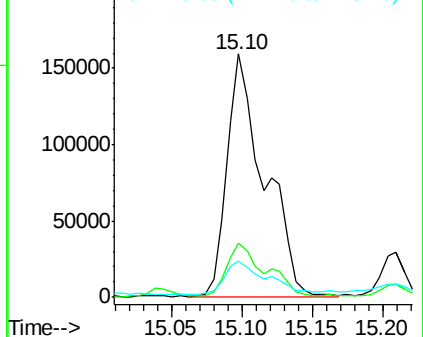
BNA_F

ClientSampleId :

Tot Ion:252	Resp:	293545
Ion Ratio	Lower	Upper
252	100	
253	22.4	17.0 25.6
125	14.8	9.0 13.6#



Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E



#88

Benzo(k)fluoranthene

Concen: 15.26 ng

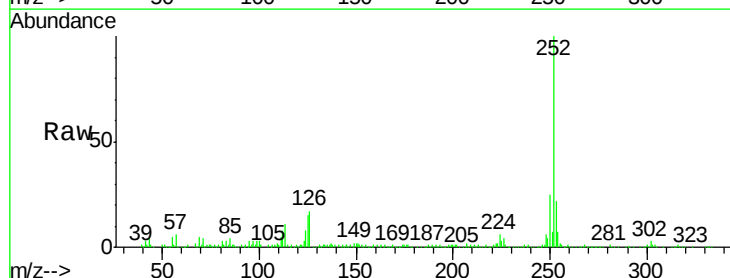
RT: 15.10 min Scan# 2212

Delta R.T. -0.04 min

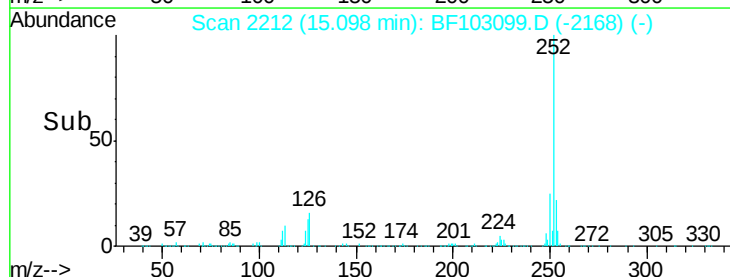
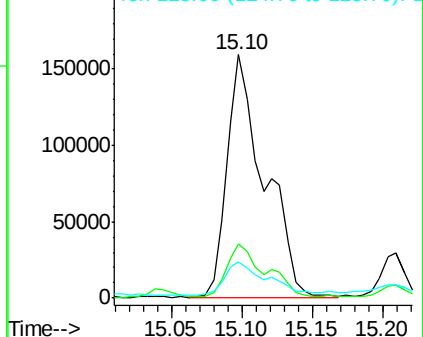
Lab File: BF103099.D

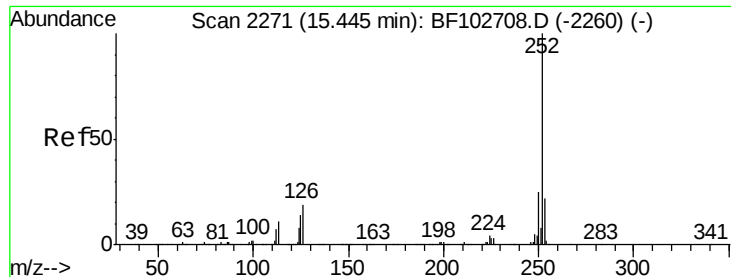
Acq: 19 Feb 2018 23:36

Tgt Ion:252	Resp:	293545
Ion Ratio	Lower	Upper
252	100	
253	22.4	17.9 26.9
125	14.8	10.2 15.2



Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E





#89

Benzo(a)pyrene

Concen: 8.72 ng

RT: 15.47 min Scan# 2276

Delta R.T. -0.01 min

Lab File: BF103099.D

Acq: 19 Feb 2018 23:36

Instrument :

BNA_F

ClientSampleId :

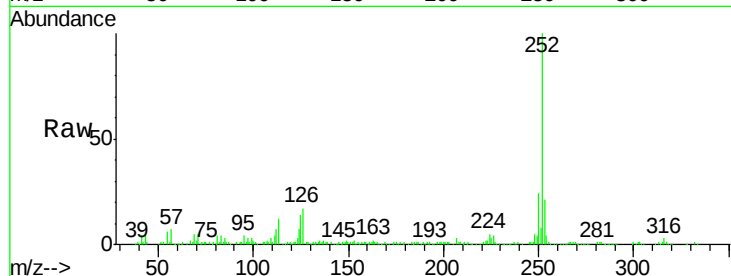
Tot Ion:252 Resp: 158011

Ion Ratio Lower Upper

252 100

253 20.9 17.1 25.7

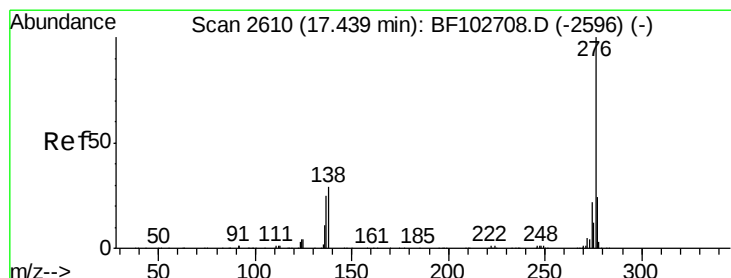
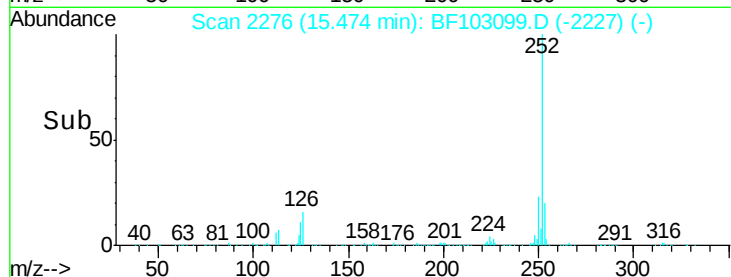
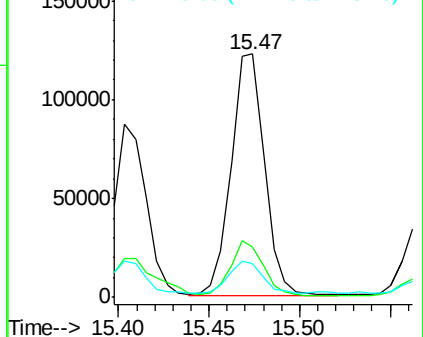
125 14.1 9.8 14.6



Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E



#91

Benzo(g,h,i)perylene

Concen: 5.85 ng

RT: 17.50 min Scan# 2620

Delta R.T. -0.02 min

Lab File: BF103099.D

Acq: 19 Feb 2018 23:36

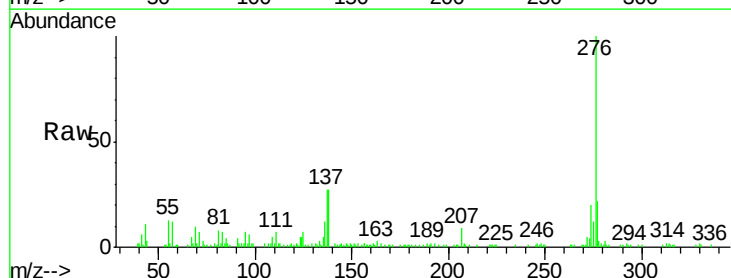
Tgt Ion:276 Resp: 84290

Ion Ratio Lower Upper

276 100

277 22.4 17.9 26.9

138 27.1 21.8 32.8



Abundance Ion 276.00 (275.70 to 276.70): E

Ion 277.00 (276.70 to 277.70): E

Ion 138.00 (137.70 to 138.70): E

